## Claims

## We Claim:

- 1. A catalyst system for the polymerization or copolymerization of olefins comprising:
  - (a) a Ziegler-Natta catalyst;
  - (b) an organoaluminum compound co-catalyst; and
  - (c) at least one external electron donor comprising n-butylmethyldimethoxysilane (BMDS).
- 2. The catalyst of claim 1 where the Ziegler-Natta catalyst comprises a transition metal compound of the formula  $MR^+_x$  where M is selected from the group consisting of titanium, chromium, and vanadium, R is selected from the group consisting of halogen or a hydrocarboxyl, and x is the valence of M.
- 3. The catalyst of claim 1 where in (b) the organoaluminum compound is triethyl aluminum (TEAL).
- 4. The catalyst of claim 1 where the Al/Si molar ratio (organoaluminum compound to silane donor) ranges from about 0.5 to about 500.
- 5. A catalyst system for the polymerization or copolymerization of olefins comprising:
  - (a) a Ziegler-Natta catalyst, where the Ziegler-Natta catalyst comprises a transition metal compound of the formula MR<sup>+</sup><sub>x</sub> where M is selected from the group consisting of titanium, chromium, and vanadium, R is selected from the group consisting of halogen or a hydrocarboxyl, and x is the valence of M;
  - (b) an organoaluminum compound co-catalyst; and

(c) at least one external electron donor comprising n-butylmethyldimethoxysilane (BMDS)

where the Al/Si molar ratio (organoaluminum compound to silane donor) ranges from about 0.5 to about 500.

- 6. The catalyst of claim 5 where in (b) the organoaluminum compound is triethyl aluminum (TEAL).
- 7. A polypropylene comprising a propylene polymer or copolymer having a melt flow of at least about 0.5 g/10 min. and xylene solubles of not more than about 6%, and a meso pentad level of between about 91 and about 98%.
- 8. The polypropylene of claim 7 further having a polydispersity ranging from about 4 to about 10.
- 9. The polypropylene of claim 7 where the polypropylene is formed by a process comprising:
  - (a) providing a Ziegler-Natta catalyst;
  - (b) contacting the catalyst with an organoaluminum compound;
  - (c) contacting the catalyst with at least one electron donor comprising nbutylmethyldimethoxysilane (BMDS) simultaneously with or subsequent to (b);
  - (d) introducing the catalyst into a polymerization reaction zone containing the organoaluminum compound, the electron donor and propylene monomer; and
  - (e) removing polypropylene homopolymer or copolymer from the polymerization reaction zone.

- 10. The polypropylene of claim 7 where the polypropylene has a lower processability temperature as compared to a polypropylene formed in the absence of BMDS that is otherwise identical.
- 11. An article formed from polypropylene comprising a propylene polymer or copolymer having a melt flow of at least about 0.5 g/10 min. and xylene solubles of not more than about 6%, and a meso pentad level of between about 91 and about 98%.
- 12. The article of claim 11 where the polypropylene is formed by a process comprising:
  - (a) providing a Ziegler-Natta catalyst;
  - (b) contacting the catalyst with an organoaluminum compound;
  - (c) contacting the catalyst with at least one electron donor comprising nbutylmethyldimethoxysilane (BMDS) simultaneously with or subsequent to (b);
  - (d) introducing the catalyst into a polymerization reaction zone containing the organoaluminum compound, the electron donor and propylene monomer; and
  - (e) removing polypropylene homopolymer or copolymer from the polymerization reaction zone.